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RELIABILITY PREDICTION

Model : MPS-30 Data:2002-07-26

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	11	0.003700	10	0.407000	22.264
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.766
10.1	Capacitor-Metal, Plastic (CH)	5	0.000510	10	0.025500	1.395
10.1	Capacitor-Ceramic(Gen.) (CK)	6	0.001700	10	0.102000	5.580
10.1	Capacitor-Aluminum Dry (CE)	6	0.001300	10	0.078000	4.267
6.1	Diode-Switching	2	0.000940	8	0.015040	0.823
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	20.131
6.1	Diode-Power Rectifier / Schottky Power	2	0.002800	8	0.044800	2.451
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	1	0.003300	8	0.026400	1.444
6.1	Diode-Transient Suppressor/Varistor	2	0.002900	8	0.046400	2.538
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	1.094
6.11	OPTO-isolator	1	0.027000	8	0.216000	11.816
5.1	Linear Microcircuits	2	0.009500	10	0.190000	10.394
11.1	Transformer Switching	1	0.000610	3	0.001830	0.100
11.2	Coil Fixed inductor or choke	2	0.000032	3	0.000192	0.011
15.1	Connector- Rectangular	2	0.050000	2	0.200000	10.941
17.1	Single Connections-Reflow solder	129	0.000069	1	0.008901	0.487
22.1	Fuses	2	0.010000	1	0.020000	1.094
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	2.407
Total Failure rate:					1.828063	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 547027.10 **hrs**

研發部 91.7.26 許淑惠

Approved by: Compiled by: .